
Automate This How Algorithms

Automate This: How Algorithms Came to Rule Our... by Christopher Steiner · Audiobook preview Automate This: How Algorithms Came to Rule Our World Automate This by Christopher Steiner: 7 Algorithmically Discovered Lessons Automate This: How Algorithms Came to Rule Our World | Audiobook Sample Artificial Intelligence, Automation, Work, and Algorithms | Matteo Pasquinelli and Richard Hames I've read over 100 coding books. Here's what I learned 3 Great Books for Learning Python - Beginner to Proficiency Automate This Book Report The ONLY 7 Faceless Niches that will make money in 2024 on YouTube Best Data Science Books for Beginners □ AI Script Writing - FREE YouTube Automation Course 8 Faceless YouTube Niches To Always Avoid (and 4 of the BEST) New \$500/Day Method | AI Affiliate Website in MINUTES! □ I Should Be Selling This ChatGPT + Publisher Rocket SECRET Introducing Python in Excel How AI Discovered a Faster Matrix Multiplication Algorithm □ Finally, my review of Grokking Algorithms □ Automate your job with Python Grokking Algorithms | Book Review 5 Amazing Ways to Automate Your Life using Python Automate the Boring Stuff with Python: Review | Learn Python with this

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KDP Business (The Secret) I studied 100+ faceless channels to CRACK the Algorithm
This AI Blogging System Makes \$5,000/Month (100% Automated)
Data Structure and Algorithms Using C++
Automate this
How Algorithms Took Over Our Markets, Our Jobs, and the World
The Age of Surveillance Capitalism
Hands-On Automated Machine Learning
How High-Tech Tools Profile, Police, and Punish the Poor
The Fight for a Human Future at the New Frontier of Power
How Algorithms Came to Rule Our World
A Practical Implementation
Parameter Setting in Evolutionary Algorithms
Exploring the Impacts of Social Media, Deepfakes, GPT-3, and More
How the Inevitable Rise in the Price of Gasoline Will Change Our Lives for the Better
An Evolutionary Computation Approach
Automate This

Algorithms for Discrete Fourier Transform and Convolution
Machine Learning Automation with TPOT
How to Be Human in the Age of the Machine
Metrics at Work
How Algorithms Create and Prevent Fake News

Automate This How
Algorithms

OMB No.
7660704592298 *edited*
by

RILEY DENISSE

Data Structure and Algorithms Using
C++ John Wiley & Sons
Algorithms for Automating Open Source
Intelligence (OSINT) presents information
on the gathering of information and
extraction of actionable intelligence from
openly available sources, including news
broadcasts, public repositories, and
more recently, social media. As OSINT
has applications in crime fighting, state-

based intelligence, and social research,
this book provides recent advances in
text mining, web crawling, and other
algorithms that have led to advances in
methods that can largely automate this
process. The book is beneficial to both
practitioners and academic researchers,
with discussions of the latest advances
in applications, a coherent set of
methods and processes for automating
OSINT, and interdisciplinary perspectives
on the key problems identified within
each discipline. Drawing upon years of
practical experience and using

numerous examples, editors Robert Layton, Paul Watters, and a distinguished list of contributors discuss Evidence Accumulation Strategies for OSINT, Named Entity Resolution in Social Media, Analyzing Social Media Campaigns for Group Size Estimation, Surveys and qualitative techniques in OSINT, and Geospatial reasoning of open data. Presents a coherent set of methods and processes for automating OSINT Focuses on algorithms and applications allowing the practitioner to get up and running quickly Includes fully developed case studies on the digital underground and predicting crime through OSINT Discusses the ethical considerations when using publicly available online data *Automate this* Packt Publishing Ltd This guide will help you to explore

automated machine learning (AutoML), a rapidly growing subfield of machine learning. You'll learn how you can use AutoML to fully automate the machine learning process even if you're not an expert, and in turn increase your productivity drastically.

How Algorithms Took Over Our Markets, Our Jobs, and the World O'Reilly Media Automate ThisHow Algorithms Took Over Our Markets, Our Jobs, and the WorldPenguin

The Age of Surveillance Capitalism
Penguin

The starkly different ways that American and French online news companies respond to audience analytics and what this means for the future of news When the news moved online, journalists suddenly learned what their audiences

actually liked, through algorithmic technologies that scrutinize web traffic and activity. Has this advent of audience metrics changed journalists' work practices and professional identities? In *Metrics at Work*, Angèle Christin documents the ways that journalists grapple with audience data in the form of clicks, and analyzes how new forms of clickbait journalism travel across national borders. Drawing on four years of fieldwork in web newsrooms in the United States and France, including more than one hundred interviews with journalists, Christin reveals many similarities among the media groups examined—their editorial goals, technological tools, and even office furniture. Yet she uncovers crucial and paradoxical differences in how American

and French journalists understand audience analytics and how these affect the news produced in each country. American journalists routinely disregard traffic numbers and primarily rely on the opinion of their peers to define journalistic quality. Meanwhile, French journalists fixate on internet traffic and view these numbers as a sign of their resonance in the public sphere. Christin offers cultural and historical explanations for these disparities, arguing that distinct journalistic traditions structure how journalists make sense of digital measurements in the two countries. Contrary to the popular belief that analytics and algorithms are globally homogenizing forces, *Metrics at Work* shows that computational technologies can have surprisingly

divergent ramifications for work and organizations worldwide.

HANDS-ON AUTOMATED MACHINE LEARNING

Springer Science & Business Media
Computerized processes are everywhere in our society. They are the automated phone messaging systems that businesses use to screen calls; the link between student standardized test scores and public schools' access to resources; the algorithms that regulate patient diagnoses and reimbursements to doctors. The storage, sorting, and analysis of massive amounts of information have enabled the automation of decision-making at an unprecedented level. Meanwhile, computers have offered a model of

cognition that increasingly shapes our approach to the world. The proliferation of "roboprocesses" is the result, as editors Catherine Besteman and Hugh Gusterson observe in this rich and wide-ranging volume, which features contributions from a distinguished cast of scholars in anthropology, communications, international studies, and political science. Although automatic processes are designed to be engines of rational systems, the stories in *Life by Algorithms* reveal how they can in fact produce absurd, inflexible, or even dangerous outcomes. Joining the call for "algorithmic transparency," the contributors bring exceptional sensitivity to everyday sociality into their critique to better understand how the perils of modern technology affect finance,

medicine, education, housing, the workplace, food production, public space, and emotions—not as separate problems but as linked manifestations of a deeper defect in the fundamental ordering of our society.

How High-Tech Tools Profile, Police, and Punish the Poor Packt Publishing Ltd

How the rise of computerized decision-making affects every aspect of business and daily life The bot takeover began with high frequency trading on Wall Street, and from there it spread to all manners of high-level tasks—such as diagnosing illnesses or interpreting legal documents. There is no realm of human endeavor safe from algorithms that employ speed, precision and nuance. In this fascinating book, Steiner tells the story of how algorithms took over and

shows why the “bot revolution” is about to spill into every aspect of our lives. We meet bots that are driving cars, penning haikus, and writing music mistaken for Bach’s. They listen in on customer service calls and figure out what Iran would do in the event of a nuclear standoff. On Wall Street, pre-programmed algorithmic deals are executed by machines faster than any human could—leaving human investors at a severe disadvantage. But what will the world look like when algorithms control our hospitals, our roads, and our national security? Is a stock market controlled by high-speed trading bots worth investing in? And what role will be left for doctors, lawyers, writers, truck drivers, and many others?

The Fight for a Human Future at the New

Frontier of Power John Wiley & Sons
A groundbreaking narrative on the urgency of ethically designed AI and a guidebook to reimagining life in the era of intelligent technology. The Age of Intelligent Machines is upon us, and we are at a reflection point. The proliferation of fast-moving technologies, including forms of artificial intelligence akin to a new species, will cause us to confront profound questions about ourselves. The era of human intellectual superiority is ending, and we need to plan for this monumental shift. A Human Algorithm: How Artificial Intelligence Is Redefining Who We Are examines the immense impact intelligent technology will have on humanity. These machines, while challenging our personal beliefs and our socioeconomic world order, also have

the potential to transform our health and well-being, alleviate poverty and suffering, and reveal the mysteries of intelligence and consciousness.

International human rights attorney Flynn Coleman deftly argues that it is critical that we instill values, ethics, and morals into our robots, algorithms, and other forms of AI. Equally important, we need to develop and implement laws, policies, and oversight mechanisms to protect us from tech's insidious threats. To realize AI's transcendent potential, Coleman advocates for inviting a diverse group of voices to participate in designing our intelligent machines and using our moral imagination to ensure that human rights, empathy, and equity are core principles of emerging technologies. Ultimately, A Human

Algorithm is a clarion call for building a more humane future and moving conscientiously into a new frontier of our own design. “[Coleman] argues that the algorithms of machine learning—if they are instilled with human ethics and values—could bring about a new era of enlightenment.” —San Francisco Chronicle

How Algorithms Came to Rule Our World Packt Publishing Ltd

Longlisted for the National Book Award
New York Times Bestseller A former Wall Street quant sounds an alarm on the mathematical models that pervade modern life -- and threaten to rip apart our social fabric We live in the age of the algorithm. Increasingly, the decisions that affect our lives--where we go to school, whether we get a car loan, how

much we pay for health insurance--are being made not by humans, but by mathematical models. In theory, this should lead to greater fairness: Everyone is judged according to the same rules, and bias is eliminated. But as Cathy O'Neil reveals in this urgent and necessary book, the opposite is true. The models being used today are opaque, unregulated, and uncontestable, even when they're wrong. Most troubling, they reinforce discrimination: If a poor student can't get a loan because a lending model deems him too risky (by virtue of his zip code), he's then cut off from the kind of education that could pull him out of poverty, and a vicious spiral ensues. Models are propping up the lucky and punishing the downtrodden, creating a "toxic cocktail

for democracy." Welcome to the dark side of Big Data. Tracing the arc of a person's life, O'Neil exposes the black box models that shape our future, both as individuals and as a society. These "weapons of math destruction" score teachers and students, sort r sum s, grant (or deny) loans, evaluate workers, target voters, set parole, and monitor our health. O'Neil calls on modelers to take more responsibility for their algorithms and on policy makers to regulate their use. But in the end, it's up to us to become more savvy about the models that govern our lives. This important book empowers us to ask the tough questions, uncover the truth, and demand change. -- Longlist for National Book Award (Non-Fiction) -- Goodreads, semi-finalist for the 2016 Goodreads

Choice Awards (Science and Technology) -- Kirkus, Best Books of 2016 -- New York Times, 100 Notable Books of 2016 (Non-Fiction) -- The Guardian, Best Books of 2016 -- WBUR's "On Point," Best Books of 2016: Staff Picks -- Boston Globe, Best Books of 2016, Non-Fiction

A Practical Implementation Syngress
 "Refreshingly thought-provoking..." -
 The Financial Times The essential
 playbook for the future of your business
 What To Do When Machines Do
 Everything is a guidebook to succeeding
 in the next generation of the digital
 economy. When systems running on
 Artificial Intelligence can drive our cars,
 diagnose medical patients, and manage
 our finances more effectively than
 humans it raises profound questions on
 the future of work and how companies

compete. Illustrated with real-world cases, data, and insight, the authors provide clear strategic guidance and actionable steps to help you and your organization move ahead in a world where exponentially developing new technologies are changing how value is created. Written by a team of business and technology expert practitioners—who also authored *Code Halos: How the Digital Lives of People, Things, and Organizations are Changing the Rules of Business*—this book provides a clear path to the future of your work. The first part of the book examines the once in a generation upheaval most every organization will soon face as systems of intelligence go mainstream. The authors argue that contrary to the doom and gloom that

surrounds much of IT and business at the moment, we are in fact on the cusp of the biggest wave of opportunity creation since the Industrial Revolution. Next, the authors detail a clear-cut business model to help leaders take part in this coming boom; the AHEAD model outlines five strategic initiatives—Automate, Halos, Enhance, Abundance, and Discovery—that are central to competing in the next phase of global business by driving new levels of efficiency, customer intimacy and innovation. Business leaders today have two options: be swallowed up by the ongoing technological evolution, or ride the crest of the wave to new profits and better business. This book shows you how to avoid your own extinction event, and will help you; Understand the untold

full extent of technology's impact on the way we work and live. Find out where we're headed, and how soon the future will arrive Leverage the new emerging paradigm into a sustainable business advantage Adopt a strategic model for winning in the new economy The digital world is already transforming how we work, live, and shop, how we are governed and entertained, and how we manage our money, health, security, and relationships. Don't let your business—or your career—get left behind. What To Do When Machines Do Everything is your strategic roadmap to a future full of possibility and success. Or peril.

Parameter Setting in Evolutionary Algorithms MIT Press

Interest in algorithmic trading is growing massively – it's cheaper, faster and

better to control than standard trading, it enables you to 'pre-think' the market, executing complex math in real time and take the required decisions based on the strategy defined. We are no longer limited by human 'bandwidth'. The cost alone (estimated at 6 cents per share manual, 1 cent per share algorithmic) is a sufficient driver to power the growth of the industry. According to consultant firm, Aite Group LLC, high frequency trading firms alone account for 73% of all US equity trading volume, despite only representing approximately 2% of the total firms operating in the US markets. Algorithmic trading is becoming the industry lifeblood. But it is a secretive industry with few willing to share the secrets of their success. The book begins with a step-by-step guide to

algorithmic trading, demystifying this complex subject and providing readers with a specific and usable algorithmic trading knowledge. It provides background information leading to more advanced work by outlining the current trading algorithms, the basics of their design, what they are, how they work, how they are used, their strengths, their weaknesses, where we are now and where we are going. The book then goes on to demonstrate a selection of detailed algorithms including their implementation in the markets. Using actual algorithms that have been used in live trading readers have access to real time trading functionality and can use the never before seen algorithms to trade their own accounts. The markets are complex adaptive systems exhibiting

unpredictable behaviour. As the markets evolve algorithmic designers need to be constantly aware of any changes that may impact their work, so for the more adventurous reader there is also a section on how to design trading algorithms. All examples and algorithms are demonstrated in Excel on the accompanying CD ROM, including actual algorithmic examples which have been used in live trading.

EXPLORING THE IMPACTS OF SOCIAL MEDIA, DEEPPAKES, GPT-3, AND MORE

Wiley Global Education
Discover how TPOT can be used to handle automation in machine learning and explore the different types of tasks that TPOT can automate Key Features

Understand parallelism and how to achieve it in Python. Learn how to use neurons, layers, and activation functions and structure an artificial neural network. Tune TPOT models to ensure optimum performance on previously unseen data. Book Description The automation of machine learning tasks allows developers more time to focus on the usability and reactivity of the software powered by machine learning models. TPOT is a Python automated machine learning tool used for optimizing machine learning pipelines using genetic programming. Automating machine learning with TPOT enables individuals and companies to develop production-ready machine learning models cheaper and faster than with traditional methods. With this practical

guide to AutoML, developers working with Python on machine learning tasks will be able to put their knowledge to work and become productive quickly. You'll adopt a hands-on approach to learning the implementation of AutoML and associated methodologies. Complete with step-by-step explanations of essential concepts, practical examples, and self-assessment questions, this book will show you how to build automated classification and regression models and compare their performance to custom-built models. As you advance, you'll also develop state-of-the-art models using only a couple of lines of code and see how those models outperform all of your previous models on the same datasets. By the end of this book, you'll have gained the confidence to implement

AutoML techniques in your organization on a production level. What you will learn

- Get to grips with building automated machine learning models
- Build classification and regression models with impressive accuracy in a short time
- Develop neural network classifiers with AutoML techniques
- Compare AutoML models with traditional, manually developed models on the same datasets
- Create robust, production-ready models
- Evaluate automated classification models based on metrics such as accuracy, recall, precision, and f1-score
- Get hands-on with deployment using Flask-RESTful on localhost

Who this book is for Data scientists, data analysts, and software developers who are new to machine learning and want to use it in their

applications will find this book useful. This book is also for business users looking to automate business tasks with machine learning. Working knowledge of the Python programming language and beginner-level understanding of machine learning are necessary to get started.

How the Inevitable Rise in the Price of Gasoline Will Change Our Lives for the Better

John Wiley & Sons

Market_Desc: · Electrical Engineering

Students taking courses on VLSI

systems, CAD tools for VLSI, Design

Automation at Final Year or Graduate

Level, Computer Science courses on the same topics, at a similar level· Practicing

Engineers wishing to learn the state of

the art in VLSI Design Automation·

Designers of CAD tools for chip design in software houses or large electronics

companies. Special Features: · Probably the first book on Design Automation for VLSI Systems which covers all stages of design from layout synthesis through logic synthesis to high-level synthesis· Clear, precise presentation of examples, well illustrated with over 200 figures· Focus on algorithms for VLSI design tools means it will appeal to some Computer Science as well as Electrical Engineering departments About The Book: Enrollments in VLSI design automation courses are not large but it's a very popular elective, especially for those seeking a career in the microelectronics industry. Already the reviewers seem very enthusiastic about the coverage of the book being a better match for their courses than available competitors, because it covers all design phases. It

has plenty of worked problems and a large no. of illustrations. It's a good 'list-builder' title that matches our strategy of focusing on topics that lie on the interface between Elec Eng and Computer Science.

An Evolutionary Computation Approach
NYU Press

A comprehensive and rigorous introduction for graduate students and researchers, with applications in sequential decision-making problems.

AUTOMATE THIS

Grand Central Publishing

The second edition of this best-selling Python book (over 500,000 copies sold!) uses Python 3 to teach even the technically uninclined how to write programs that do in minutes what would

take hours to do by hand. There is no prior programming experience required and the book is loved by liberal arts majors and geeks alike. If you've ever spent hours renaming files or updating hundreds of spreadsheet cells, you know how tedious tasks like these can be. But what if you could have your computer do them for you? In this fully revised second edition of the best-selling classic *Automate the Boring Stuff with Python*, you'll learn how to use Python to write programs that do in minutes what would take you hours to do by hand--no prior programming experience required. You'll learn the basics of Python and explore Python's rich library of modules for performing specific tasks, like scraping data off websites, reading PDF and Word documents, and automating clicking and

typing tasks. The second edition of this international fan favorite includes a brand-new chapter on input validation, as well as tutorials on automating Gmail and Google Sheets, plus tips on automatically updating CSV files. You'll learn how to create programs that effortlessly perform useful feats of automation to:

- Search for text in a file or across multiple files
- Create, update, move, and rename files and folders
- Search the Web and download online content
- Update and format data in Excel spreadsheets of any size
- Split, merge, watermark, and encrypt PDFs
- Send email responses and text notifications
- Fill out online forms

Step-by-step instructions walk you through each program, and updated practice projects at the end of each chapter

challenge you to improve those programs and use your newfound skills to automate similar tasks. Don't spend your time doing work a well-trained monkey could do. Even if you've never written a line of code, you can make your computer do the grunt work. Learn how in *Automate the Boring Stuff with Python*, 2nd Edition.

ALGORITHMS FOR DISCRETE FOURIER TRANSFORM AND CONVOLUTION

Oxford University Press
Algorithmic trading, once the exclusive domain of institutional players, is now open to small organizations and individual traders using online platforms. The tool of choice for many traders today is Python and its ecosystem of

powerful packages. In this practical book, author Yves Hilpisch shows students, academics, and practitioners how to use Python in the fascinating field of algorithmic trading. You'll learn several ways to apply Python to different aspects of algorithmic trading, such as backtesting trading strategies and interacting with online trading platforms. Some of the biggest buy- and sell-side institutions make heavy use of Python. By exploring options for systematically building and deploying automated algorithmic trading strategies, this book will help you level the playing field. Set up a proper Python environment for algorithmic trading. Learn how to retrieve financial data from public and proprietary data sources. Explore vectorization for financial analytics with

NumPy and pandas Master vectorized backtesting of different algorithmic trading strategies Generate market predictions by using machine learning and deep learning Tackle real-time processing of streaming data with socket programming tools Implement automated algorithmic trading strategies with the OANDA and FXCM trading platforms

Machine Learning Automation with TPOT
No Starch Press

From deepfakes to GPT-3, deep learning is now powering a new assault on our ability to tell what's real and what's not, bringing a whole new algorithmic side to fake news. On the other hand, remarkable methods are being developed to help automate fact-checking and the detection of fake news

and doctored media. Success in the modern business world requires you to understand these algorithmic currents, and to recognize the strengths, limits, and impacts of deep learning---especially when it comes to discerning the truth and differentiating fact from fiction. This book tells the stories of this algorithmic battle for the truth and how it impacts individuals and society at large. In doing so, it weaves together the human stories and what's at stake here, a simplified technical background on how these algorithms work, and an accessible survey of the research literature exploring these various topics. How Algorithms Create and Prevent Fake News is an accessible, broad account of the various ways that data-driven algorithms have been distorting reality

and rendering the truth harder to grasp. From news aggregators to Google searches to YouTube recommendations to Facebook news feeds, the way we obtain information today is filtered through the lens of tech giant algorithms. The way data is collected, labelled, and stored has a big impact on the machine learning algorithms that are trained on it, and this is a main source of algorithmic bias - which gets amplified in harmful data feedback loops. Don't be afraid: with this book you'll see the remedies and technical solutions that are being applied to oppose these harmful trends. There is hope. What You Will Learn The ways that data labeling and storage impact machine learning and how feedback loops can occur The history and inner-workings of YouTube's

recommendation algorithm The state-of-the-art capabilities of AI-powered text generation (GPT-3) and video synthesis/doctoring (deepfakes) and how these technologies have been used so far The algorithmic tools available to help with automated fact-checking and truth-detection Who This Book is For People who don't have a technical background (in data, computers, etc.) but who would like to learn how algorithms impact society; business leaders who want to know the powers and perils of relying on artificial intelligence. A secondary audience is people with a technical background who want to explore the larger social and societal impact of their work.

HOW TO BE HUMAN IN THE AGE OF THE MACHINE

Cambridge University Press
Automate data and model pipelines for faster machine learning applications
Key Features Build automated modules for different machine learning components
Understand each component of a machine learning pipeline in depth
Learn to use different open source AutoML and feature engineering platforms
Book Description AutoML is designed to automate parts of Machine Learning.
Readily available AutoML tools are making data science practitioners' work easy and are received well in the advanced analytics community.
Automated Machine Learning covers the necessary foundation needed to create

automated machine learning modules and helps you get up to speed with them in the most practical way possible. In this book, you'll learn how to automate different tasks in the machine learning pipeline such as data preprocessing, feature selection, model training, model optimization, and much more. In addition to this, it demonstrates how you can use the available automation libraries, such as auto-sklearn and MLBox, and create and extend your own custom AutoML components for Machine Learning. By the end of this book, you will have a clearer understanding of the different aspects of automated Machine Learning, and you'll be able to incorporate automation tasks using practical datasets. You can leverage your learning from this book to implement Machine

Learning in your projects and get a step closer to winning various machine learning competitions. What you will learn Understand the fundamentals of Automated Machine Learning systems Explore auto-sklearn and MLBox for AutoML tasks Automate your preprocessing methods along with feature transformation Enhance feature selection and generation using the Python stack Assemble individual components of ML into a complete AutoML framework Demystify hyperparameter tuning to optimize your ML models Dive into Machine Learning concepts such as neural networks and autoencoders Understand the information costs and trade-offs associated with AutoML Who this book is for If you're a budding data scientist,

data analyst, or Machine Learning enthusiast and are new to the concept of automated machine learning, this book is ideal for you. You'll also find this book useful if you're an ML engineer or data professional interested in developing quick machine learning pipelines for your projects. Prior exposure to Python programming will help you get the best out of this book.

Metrics at Work Packt Publishing Ltd Algorithms play an important role in both the science and practice of computing. To optimally use algorithms, a deeper understanding of their logic and mathematics is essential. Beyond traditional computing, the ability to apply these algorithms to solve real-world problems is a necessary skill, and this is what this book focuses on.

How Algorithms Create and Prevent Fake News Cambridge University Press

The gap between theoretical ideas and messy reality, as seen in Neal Stephenson, Adam Smith, and Star Trek. We depend on—we believe in—algorithms to help us get a ride, choose which book to buy, execute a mathematical proof. It's as if we think of code as a magic spell, an incantation to reveal what we need to know and even what we want. Humans have always believed that certain invocations—the marriage vow, the shaman's curse—do not merely describe the world but make it. Computation casts a cultural shadow that is shaped by this long tradition of magical thinking. In this book, Ed Finn considers how the algorithm—in practical terms, “a method for solving a

problem”—has its roots not only in mathematical logic but also in cybernetics, philosophy, and magical thinking. Finn argues that the algorithm deploys concepts from the idealized space of computation in a messy reality, with unpredictable and sometimes fascinating results. Drawing on sources that range from Neal Stephenson's *Snow Crash* to Diderot's *Encyclopédie*, from Adam Smith to the Star Trek computer, Finn explores the gap between theoretical ideas and pragmatic instructions. He examines the development of intelligent assistants like Siri, the rise of algorithmic aesthetics at Netflix, Ian Bogost's satiric Facebook game *Cow Clicker*, and the revolutionary economics of Bitcoin. He describes Google's goal of anticipating our

questions, Uber's cartoon maps and black box accounting, and what Facebook tells us about programmable value, among other things. If we want to understand the gap between abstraction and messy reality, Finn argues, we need to build a model of “algorithmic reading” and scholarship that attends to process, spearheading a new experimental humanities.

The Ethical Algorithm Black Swan
The author of the best-selling \$20 Per Gallon traces the rise of computerized decision making to explore how it has become a pervasive aspect of life, revealing how cleverly designed bots are helping and hindering today's world while considering how algorithm technology will shape the near future.

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